

Extensible Object Systems

Referente: Mirko Viroli

Italian PRIN 2004-2005 Project (ex-40% COFIN)

Participants

- Università di Genova, DISI (Elena Zucca, Coordinator)
- Università di Bologna, DEIS (Mirko Viroli)
- Università del Piemonte Orientale, CS Dept. (Paola Giannini)
- Università di Firenze, DSI (Battistina Venneri)

Whole project goals

- Advance the research on the Object-Oriented PL Field
- Language Level: new and powerful constructs
- Meta-Level: manipulation of code fragments
- Issues: Compositionality, Interoperability, Adaptability, Reconfiguration

DEIS unity tasks: Interoperability

Language Interoperability

- Impact of compatibility issues in the design of Java generics
- Framework for compatibility of language extensions
- Interoperability between OO languages and logic languages

Component Interoperability

- Control-driven and data-driven coordination models
- Semantics of orchestration languages
- Coordination for multi-agent systems
- Coordination framework for interoperability of different technologies

